

A New Species of the Genus *Chrysso* (Araneae: Theridiidae) from the Ryukyus, Japan and Taiwan

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吉田 哉¹⁾：琉球列島および台灣産のコガネヒメグモ属
(クモ目:ヒメグモ科) の 1 新種

Abstract A new species of the family Theridiidae is described from the Ryukyus, Japan and Taiwan under the name, *Chrysso viridiventris* sp. nov.

In this paper, I wish to describe a new species of the genus *Chrysso* from the Ryukyus, Japan and Taiwan.

The holotype and allotype of the new species are deposited in the collection of the National Science Museum (Natural History), Tokyo, and the paratypes are preserved in my private collection.

The abbreviations used in this paper are as follows: ALE, anterior lateral eye(s); AME, anterior median eye(s); MOA, median ocular area; PLE, posterior lateral eye(s); PME, posterior median eye(s).

Before going further, I wish to express my sincere thanks to Mr. Takehisa HIRAMATSU, Saitama, and Mr. Akio TANIKAWA, Kanagawa, for offering valuable specimens for the present study.

Chrysso viridiventris sp. nov. (Figs. 1-7)

Male (holotype). Total length 2.47 mm. Carapace length 1.16 mm; width 1.08 mm. Abdomen length 1.32 mm; width 1.03 mm. First leg: femur 2.50 mm; patella and tibia 2.71 mm; metatarsus 2.71 mm; tarsus 0.89 mm. Second patella and tibia 1.50 mm; third patella and tibia 0.87 mm; fourth patella and tibia 1.55 mm.

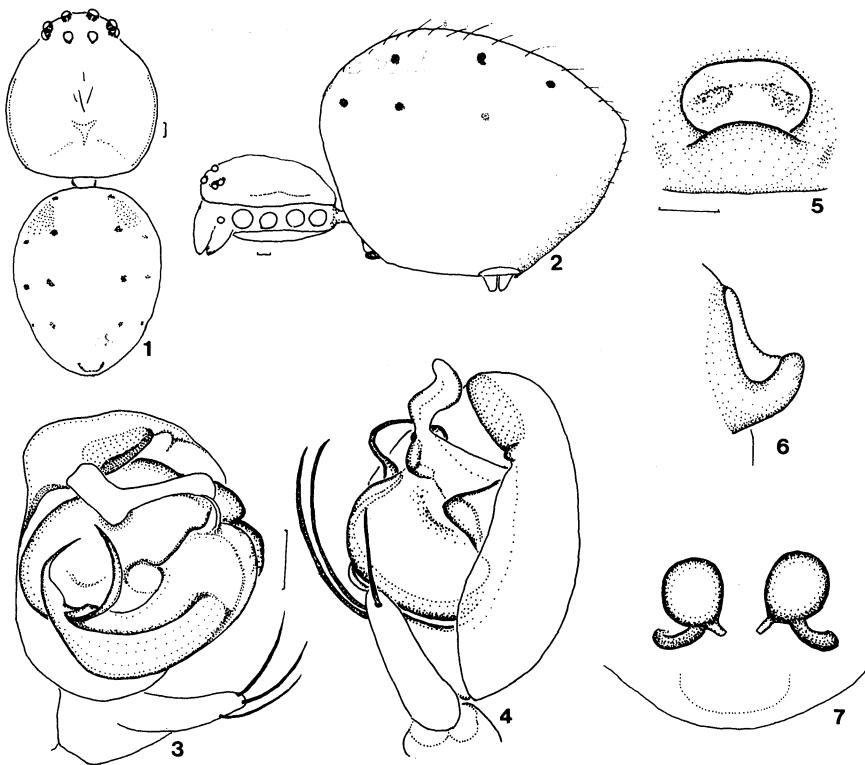
Carapace circular and flattened, slightly longer than wide. AME and ALE smaller than PME and PLE (3:4). AME four-thirds their diameter apart and two-thirds from ALE. PME five-thirds their diameter apart and four-thirds from PLE. ALE and PLE-almost touching. MOA, anterior width: posterior width: length=9:11:8 in the ratio. Abdomen longer than wide and high. Palpal organ as shown in Figs. 3-4: conductor large and circulated, distally pointed; embolus large and circulated, ventrally bending at distal one-third; tibial apophysis large with three large, apical macrosetae.

Coloration. Basal color light yellowish green. Carapace with marginal black lines. Eyes on the dark bases. Tibiae of legs distally with a brown ring. Abdomen with four pairs of median and two pairs of lateral black spots, and with posterior black

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Figs. 1-7. *Chrysso viridiventris* sp. nov. — 1, Male carapace and abdomen, dorsal view; 2, female carapace and abdomen, lateral view; 3, male palpus, ventral view; 4, same, lateral view; 5, epigynum, ventral view; 6, same, lateral view; 7, female genitalia, dorsal view. (Scales: 0.1 mm.)

flecks as shown in Fig. 1. In alcohol, greenish part almost decolorized, yellowish white.

Female (allotype). Total length 3.21 mm. Carapace length 1.08 mm; width 1.03 mm. Abdomen length 2.13 mm; width 1.95 mm; height 1.74 mm. First leg: femur 2.84 mm; patella and tibia 3.00 mm; metatarsus 3.05 mm; tarsus 0.95 mm. Second patella and tibia 2.16 mm; third patella and tibia 0.95 mm; fourth patella and tibia 2.26 mm.

AME smaller than the others (4:7). AME five-seconds their diameter apart and three-seconds from ALE. PME nine-sevenths their diameter apart and six-sevenths from PLE. MOA, anterior width: posterior width: length = 9:10:9 in the ratio. Abdomen without posterior flecks. Genital organ as shown in Figs. 5-7: epigynum with a large opening and a large posterior lobe.

Other characters as same as in the male holotype.

Type series. Holotype: ♂, and allotype: ♀, Mt. Darumayama, Kume-jima Island, Okinawa Prefecture, Japan, 19-III-1995, T. HIRAMATSU leg., (NSMT-Ar 3381-3382). Paratypes: 2♀, 2♀ y, Kabira, Ishigaki-jima Island, Okinawa Prefecture, Japan, 10-VII-1976, H. YOSHIDA leg.; 1♂, 1♂ y, Kabira, 20-III-1977, H. YOSHIDA leg.; 1♀, Iriomote-jima Island, Okinawa Prefecture, Japan, 30-III-1985, A. TANIKAWA leg.; 1♂,

Wulai, Taipei County, Taiwan, 29-VII-1977, H. YOSHIDA leg.; 1 ♀, Mt. Yangming-shan, Taipei City, Taiwan, 3-VIII-1977, H. YOSHIDA leg.; 1 ♂, Mt. Yangming-shan, 28-VII-1977, H. YOSHIDA leg.

Distribution. Japan: The Ryukyus (Kume-jima, Ishigaki-jima and Iriomote-jima Islands). Taiwan (Taipei City and Taipei County).

Remarks. This species is similar to *Chrysso punctifera* (YAGINUMA, 1960) in general appearance and basal color, but is distinguished from the latter by the abdomen without white pigments, the epigynum with a large opening and a posterior lobe, and the male palpus with a large, circuated and bending embolus.

Etymology. The specific name is made after the color of the abdomen.

摘要

琉球列島および台灣産のヒメグモ科コガネヒメグモ属の1新種 *Chrysso viridiventris* sp. nov. リュウキュウミドリヒメグモ (新称) を記載した。

References

YAGINUMA, T., 1960. Spiders of Japan in colour. vi+186+8 pp., 56 pls. Hoikusha, Osaka. (In Japanese.)